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<p>(21) International Application Number: PCT/US96/20843</p> <p>(22) International Filing Date: 20 December 1996 (20.12.96)</p> <p>(30) Priority Data:</p> <table> <tr><td>08/575,641</td><td>20 December 1995 (20.12.95)</td><td>US</td></tr> <tr><td>08/598,332</td><td>8 February 1996 (08.02.96)</td><td>US</td></tr> <tr><td>08/712,878</td><td>12 September 1996 (12.09.96)</td><td>US</td></tr> <tr><td>60/031,495</td><td>26 November 1996 (26.11.96)</td><td>US</td></tr> <tr><td>08/761,483</td><td>6 December 1996 (06.12.96)</td><td>US</td></tr> </table> <p>(71) Applicant: VERTEX PHARMACEUTICALS INCORPORATED [US/US]; 130 Waverly Street, Cambridge, MA 02139-4242 (US).</p> <p>(72) Inventors: BATCHELOR, Mark, J.; 13 Delamare Way, Cumnor Hill, Oxford OX2 9HZ (GB). BEBBINGTON, David; 63 Swan Meadow, Pewsey, Wiltshire SN9 5HP (GB). BEMIS, Guy, W.; 15 Mystic Lake Drive, Arlington, MA 02174 (US). FRIDMAN, Wolf, Herman; 27, rue Berthollet, F-75005 Paris (FR). GILLESPIE, Roger, J.; Lilac Cottage, Minety Lane, Oaksey, Near Malmesbury, Wiltshire SN16 9SY (GB). GOLEC, Julian, M., C.; 8 Manor Farm, Chapel Road, Ashbury, Swindon, Wiltshire SN6 8LS (GB). GU, Yong; Apartment 3A, 119 Freeman Street, Brookline, MA 02146 (US). LAUFFER, David, J.; 254 Taylor Road, Stow, MA 02139-4242 (US).</p>		08/575,641	20 December 1995 (20.12.95)	US	08/598,332	8 February 1996 (08.02.96)	US	08/712,878	12 September 1996 (12.09.96)	US	60/031,495	26 November 1996 (26.11.96)	US	08/761,483	6 December 1996 (06.12.96)	US	<p>MA 01775 (US). LIVINGSTON, David, J.; 20 Madison Avenue, Newtonville, MA 02160 (US). MATHARU, Sa-roop, S.; 1 Hopkins Orchard, Cricklade, Wiltshire SN6 6EB (GB). MULLICAN, Michael, D.; 110 Parker Road, Needham, MA 02194 (US). MURCKO, Mark, A.; 520 Marshall Street, Holliston, MA 01746 (US). MURDOCH, Robert; 89 Knowlands, Highworth, Wiltshire SN6 7ND (GB). NYCE, Philip, L.; 18 Prospect Street, Millbury, MA 01527 (US). ROBIDOUX, Andrea, L., C.; 180 Salem Street, Andover, MA 01810 (US). SU, Michael; 15 Donna Road, Newton, MA 02159 (US). WANNAMAKER, M., Woods; 375 Harvard Road, Stow, MA 01775 (US). WILSON, Keith, P.; 6 Longwood Drive, Hopkinton, MA 01748 (US). ZELLE, Robert, E.; 67 Boon Road, Stow, MA 01775 (US).</p> <p>(74) Agents: HALEY, James, F., Jr. et al.; Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020-1104 (US).</p> <p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>Without international search report and to be republished upon receipt of that report.</i></p>	
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<p>(54) Title: INHIBITORS OF INTERLEUKIN-1β CONVERTING ENZYME</p> <p>(57) Abstract</p> <p>The present invention relates to novel classes of compounds which are inhibitors of interleukin-1β converting enzyme. The ICE inhibitors of this invention are characterized by specific structural and physicochemical features. This invention also relates to pharmaceutical compositions comprising these compounds. The compounds and pharmaceutical compositions of this invention are particularly well suited for inhibiting ICE activity and consequently, may be advantageously used as agents against IL-1-, apoptosis-, IGIF-, and IFN-γ-mediated diseases, inflammatory diseases, autoimmune diseases, destructive bone disorders, proliferative disorders, infectious diseases, degenerative diseases, and necrotic diseases. This invention also relates to methods for inhibiting ICE activity, for treating interleukin-1-, apoptosis-, IGIF- and IFN-γ-mediated diseases and decreasing IGIF and IFN-γ production using the compounds and compositions of this invention. This invention also relates to methods for preparing N-acylamino compounds.</p>																		